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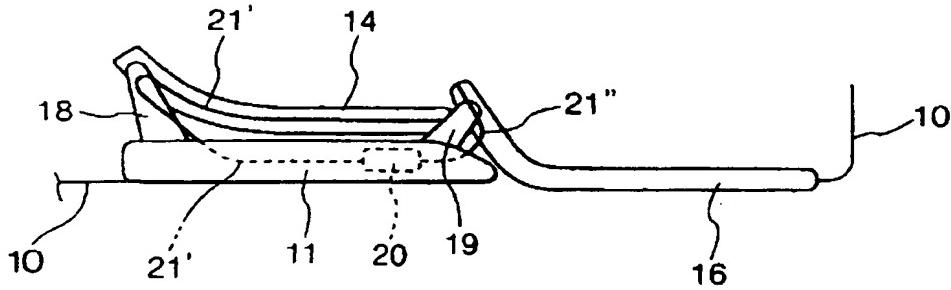
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[続葉有]

(54) Title: POWERED SLIDING DEVICE FOR VEHICLE SIDING DOOR

(54) 発明の名称: 車両スライド扉の動力スライド装置



(57) Abstract: A powered sliding device comprises wire cables (21', 21'') provided between a sliding door (11) and a vehicle body (10) and a power unit (20) for sliding the sliding door when the wire cables are moved by the power of a motor. The power unit is provided in the inner space inside the sliding door. The wire cables are composed of the cable (21') for door opening and the cable (21'') for door closing, and the base ends of the cables are connected to the power unit. The front end of the door opening cable is fixed to the vicinity of the rear end of a lower rail (14) after being run through a lower roller bracket (18) of the sliding door. The front end of the door closing cable is fixed to the vicinity of the front end of a center rail (16) after being passed through a center roller bracket (19) of the sliding door.

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(57) 要約: 動力スライド装置は、スライド扉(11)と車体(10)との間に設けられるワイヤーケーブル(21', 21'')と、前記ワイヤーケーブルをモータ動力で移動させることにより前記スライド扉をスライドさせる動力ユニット(20)とを有する。動力ユニットはスライド扉の内部空間に設けられる。前記ワイヤーケーブルは前記動力ユニットに基端側がそれぞれ連結される開扉用ケーブル(21')と閉扉用ケーブル(21'')とから構成される。前記開扉用ケーブルの先端側は前記スライド扉の前記ロワーローラーブラケット(18)を経由させた後ロワーレール(14)の後端部近傍に固定し、前記閉扉用ケーブルの先端側は前記スライド扉のセンター ローラーブラケット(19)を経由させた後センター レール(16)の前端部近傍に固定する。

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/04111

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ B60J5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ B60J5/06Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2003
Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-132332 A (Kabushiki Kaisha Oi Seisakusho), 15 May, 2001 (15.05.01), All pages (Family: none)	1-3
Y	JP 2001-336352 A (Aisin Seiki Co., Ltd.), 07 December, 2001 (07.12.01), All pages & DE 010125897 A	1-3
A	JP 61-109888 A (Kabushiki Kaisha Oi Seisakusho), 28 May, 1986 (28.05.86), All pages & US 4617757 A	1-3

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
Date of the actual completion of the international search 30 May, 2003 (30.05.03)	Date of mailing of the international search report 10 June, 2003 (10.06.03)
Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer
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